

Jason Gates

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EMPLOYMENT

Carnegie Mellon University - Tepper School of Business

2019 - 2025

Teaching Assistant

- Assisted teaching Machine Learning for Business Applications, Statistical Foundations of Business Analytics, Regression Analysis, Operations and Supply Chain Management, Probability and Statistics, Micro and Macroeconomics
- Assisted master's students build proof of concept ML systems to solve business problems of their own choosing
- Assisted teaching master's course on the statistical foundations of ML including linear models, classification, PCA, and A/B testing

Urban Institute - Health Policy Center

Aug 2015 - July 2018

Research Associate

- Responsible for Center's work using NHIS restricted-use geocoded data from the CDC
- Collaborated with senior researchers on journal articles and briefs meant to inform the public, elected officials, and policy makers on our findings in health services research
- Estimated models of the effect of various health policy interventions using a variety of quasi-experimental methods
- Produced informational maps using ArcGIS mapping software
- Co-authored reports: <https://www.urban.org/author/jason-gates>

EDUCATION

Carnegie Mellon University - Tepper School of Business

PhD in Economics 2025

- Estimated dynamic structural models of human decision making, including the joint decision processes between multiple agents as part of dissertation
- Employed variety of statistical models in economic analyses such as two-way fixed-effects models, multinomial logistic regression, generalized method of moments, and maximum likelihood

Dickinson College

BA in Mathematics and Economics 2015

- **Honors:** Phi Beta Kappa, *summa cum laude*, Honors (Economics), member Pi Mu Epsilon mathematics honor society

SKILLS

Programming Languages: Python (NumPy, SciPy, Pandas, Matplotlib), R, SQL, Stata, MATLAB

Software: ArcGIS, Google BigQuery, Illustrator, Excel

Datasets: PSID, CPS, ACS, QCEW, NHIS, NHANES, BRFSS, SIPP